## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	22	("1726877" "2313157" "2556835" "3429678" "4500682" "4240805" "4293315" "4642272" "4751055" "4816353" "5980596" "5985178" "5492649" "6103143" "6302188" "6113874" "6210157" "6767530"). pn.	USPAT; USOCR	OR	OFF	2007/06/23 16:12
S2	393	"423"/\$.ccls. and reform\$4 same shift same pressure	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/23 17:23
S3	1	"20030113257"	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/23 16:40
S4	81	"423"/\$.ccls. and (pressure with swing with reform\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/23 17:13
S5	22	"423"/\$.ccls. and (pressure near2 swing near2 reform\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/23 16:49
S6	37	"423"/\$.ccls. and (pressure with swing with reform\$4) and (combust\$4 with temperature)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/23 17:14
S7	127	"423"/\$.ccls. and reform\$4 same shift same pressure and (combust \$4 with temperature)	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/23 17:24
S8	2	"20040170559"	US-PGPUB; USPAT	OR	OFF	2007/06/24 14:36
S9	45	hershkowitz-frank.in.	US-PGPUB; USPAT	OR	OFF	2007/06/24 15:33
S10	0	segarich-robert.in.	US-PGPUB; USPAT	OR	OFF	2007/06/24 15:33
S11	2	segarich-robert-l.in.	US-PGPUB; USPAT	OR	OFF	2007/08/31 17:36
S12	1	"6113874".pn.	US-PGPUB; USPAT	OR	OFF	2007/06/24 15:54
S13	1	"6210157".pn.	US-PGPUB; USPAT	OR	OFF	2007/06/24 15:54
S14	2	segarich-robert-l.in.	US-PGPUB; USPAT	OR	OFF	2007/08/31 17:36
S15	244	reverse with flow and regenerat\$ and space with velocit\$	US-PGPUB; USPAT	OR	ON	2008/09/25 12:18
S16	94	reverse with flow and regenerat\$ and space with velocit\$ and reform \$	US-PGPUB; USPAT	OR	ON	2008/09/25 12:18

S17	16	reverse with flow and regenerat\$ and space with velocit\$ same reform\$	US-PGPUB; USPAT	OR	ON	2008/09/25 14:11
S18	23	reverse with flow and space with velocit\$ same reform\$	US-PGPUB; USPAT	OR	ON	2008/09/25 14:14
S19	7	S18 not S17	US-PGPUB; USPAT	OR	ON	2008/09/25 14:14
S20	3	("20020183402" "6312660" "6749828").pn.	US-PGPUB; USPAT	OR	ON	2008/09/25 14:31
S21	157	space with velocit\$ same reform\$ same "GHSV"	US-PGPUB; USPAT	OR	ON	2008/09/25 14:50
S22	80	space with velocit\$ same reform\$ same "GHSV" and (counter reverse regenerat\$)	US-PGPUB; USPAT	OR	ON	2008/09/25 14:50
S23	70	space with velocit\$ same reform\$ same "GHSV" and ((counter with (flow current)) regenerat\$)	US-PGPUB; USPAT	OR	ON	2008/09/25 15:15
S24	6	space with velocit\$ same reform\$ same "GHSV" and ((counter with (flow current)) regenerat\$) and 423/648.1.cds.	US-PGPUB; USPAT	OR	ON	2008/09/25 15:18
\$25	55	space with velocit\$ same reform\$ same "GHSV" and ((counter with (flow current)) regenerat\$) and produc\$7 near2 hydrogen	US-PGPUB; USPAT	OR	ON	2008/09/25 15:20
\$26	30	("20020106596"   "20020168308"   "4795618"   "5047381"   "5270127"   "5366719"   "5403184"   "5518697"   "5565009"   "5609834"   "5811062"   "5858314"   "6040266"   "6056932"   "6117578"   "6159358"   "6165633"   "6168765"   "6180846"   "6190624"   "6193501"   "6200536"   "6228341"   "6241875"   "6274101"   "6488838"   "6616909").PN. OR ("6969506"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/25 15:22
S27	88	reform\$ same "GHSV" and ((counter with (flow current)) regenerat\$) and produc\$7 near2 hydrogen	US-PGPUB; USPAT	OR	ON	2008/09/25 15:25
S28	0	S26 and S27	US-PGPUB; USPAT	OR	ON	2008/09/25 15:25
S29	1	"6338239".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/09/26 12:11
S30	138	423/651.ccls. and reform\$ and catalyst same heat with transfer	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 15:16

S31	4	423/651.ccls. and reform\$ and catalyst same heat with transfer with parameter	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 15:18
S32	61	423/651.ccls. and reform\$ and catalyst same heat with transfer with temperature	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 15:22
S33	6	423/651.ccls. and reform\$ and catalyst same heat with transfer with coefficient	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 15:25
S34	26	423/651.ccls. and reform\$ and catalyst same heat with transfer with material	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 15:40
S35	24	423/651.ccls. and reform\$ and catalyst same heat with transfer with rate	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 15:43
S36	22	S35 not S34	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 15:43
S37	1	423/651.ccls. and reform\$ and catalyst same heat with transfer with volumetric	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:11
S38	1	423/651.ccls. and reform\$ and heat with transfer with volumetric	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:13
S39	2	423/651.ccls. and reform\$ and heat same transfer same volumetric	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:13
S40	1	423/651.ccls. and reform\$ and heat same transfer same volumetric same coefficient	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:13
S41	39	reform\$ and heat same transfer same volumetric same coefficient	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:13
S42	137	reform\$ and heat with volumetric with rate	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:19
S43	26	reform\$ and heat with volumetric with rate same coefficient	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 16:19
S44	37	reform\$ and heat same volumetric same rate same coefficient	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 17:16
S45	11	S44 not S43	US-PGPUB; USPAT; USOCR	OR	ON	2009/05/28 17:17
S46	58	hershkowitz-frank.in.	US-PGPUB; USPAT	OR	OFF	2009/12/17 18:53
S47	2	segarich-robert-l.in.	US-PGPUB; USPAT	OR	OFF	2009/12/17 19:19
S48	0	hershkowitz-frank.in. and non near2 cyclic	US-PGPUB; USPAT	OR	OFF	2009/12/17 19:19

S49	0	hershkowitz-frank.in. and non- cyclic	US-PGPUB; USPAT	OR	OFF	2009/12/17 19:19
S50	27	hershkowitz-frank.in. and water with shift	US-PGPUB; USPAT	OR	OFF	2009/12/17 19:28
S51	2014	423/644,648.1,651,652.ccls.	US-PGPUB; USPAT	OR	ON	2010/06/16 11:50
S52	1970769	look at 2003/0235529	USPAT	OR	OFF	2010/06/16 15:13
S53	42	high near2 temperature near2 shift same "PSA"	US-PGPUB; USPAT	OR	ON	2010/07/16 23:30
S54	1	"6043288".pn.	US-PGPUB; USPAT	OR	ON	2010/07/16 23:31
S55	0	flue near2 recycl\$ near2 heat near2 exchang\$ near2 steam	US-PGPUB; USPAT	OR	ON	2010/07/17 13:18
S56	1	flue near2 recycl\$ with heat near2 exchang\$ near2 steam	US-PGPUB; USPAT	OR	ON	2010/07/17 13:18
S57	11	flue near2 recycl\$ with heat near2 exchang\$ with steam	US-PGPUB; USPAT	OR	ON	2010/07/17 13:19
S58	24	flue near2 recycl\$ same heat near2 exchang\$ with steam	US-PGPUB; USPAT	OR	ON	2010/07/17 13:36
S59	8	flue near2 recycl\$ same heat near2 exchang\$ with steam and reform\$	US-PGPUB; USPAT	OR	ON	2010/07/17 13:36
S60	17	flue with recycl\$ same heat near2 exchang\$ with steam and reform\$	US-PGPUB; USPAT	OR	ON	2010/07/17 13:44
S61	9	S60 not S59	US-PGPUB; USPAT	OR	ON	2010/07/17 13:44
S62	20	combustion near2 gas with recycl \$ same heat near2 exchang\$ with steam and reform\$	US-PGPUB; USPAT	OR	ON	2010/07/17 14:16
S63	47	flue near2 heat near2 exchang\$ with steam and reform\$	US-PGPUB; USPAT	OR	ON	2010/07/17 14:26
S64	954	423/652-654.cds.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/30 15:56
S65	2	segarich-robert-l.in.	US-PGPUB; USPAT	OR	OFF	2010/12/30 15:58
S66	915	423/651.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/30 16:32
S67	757	S66 not S64	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/30 16:32
S68	892	423/650.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/30 16:58
S69	749	S68 not S64	US-PGPUB; USPAT; USOCR	OR	ON	2010/12/30 16:58

## **EAST Search History (Interference)**

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